

May 18, 1983

REFERENCE 6
SITE NAME Carlstrom Landfill
SITE ID ILD 980497721

Larry Eastep
Illinois Environmental Protection Agency
Division Of Land Pollution Control
Permit Section
2200 Churchill Road
Springfield, Illinois 62706

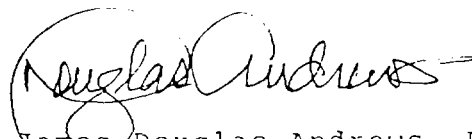
re: Will County, Illinois
Joliet/Lockport Trucking, Inc.

Dear Mr. Eastep:

On March 4, 1983 the Agency issued a letter denying the supplemental permit to allow implementation of a ground-water monitoring program at the subject site. The attached information is submitted in response to the informational items requested in the denial letter.

Please consider this a re-submittal of the application for supplemental permit.

Sincerely,



James Douglas Andrews, P.F.,
President

EPA Region 5 Records Ctr.



300636

JDA:rdk
enclosures
cc: Jack Carlstrom
Kenneth Bechely

Notification Sent
Per I. E. P. A. Act §39 (c)

MAY 19 1983

DL/NPC

RECEIVED

MAY 18 1983

EPA - REGION 5
STATE OF ILLINOIS

WILL COUNTY, ILLINOIS
JOLIET/LOCKPORT TRUCKING, INC.
PERMIT NUMBER 1973-1

GROUNDWATER MONITORING PLAN

Introduction:

The purpose of this plan is to implement a program of groundwater monitoring at the Lockport Trucking, Inc. landfill. The attached Drawing Number 77-111-MW1 indicates the location of two (2) existing water wells which are intended to be sampled and analyzed. In addition, a third monitoring well is to be installed at the site as shown on the same drawing.

The Number 1 Residence well is located approximately 150 feet from the landfill on property lying across the road immediately east. This well is reported to be approximately 160 feet deep and the length of the screened portion has not been determined. The Number 2 Agazzi Ceramic Co. well is reported to be approximately 120 feet deep and the length of the screened portion has not been determined. This well is located about 1500 feet southwest of the landfill and is intended to serve as a background water quality source.

New Monitoring Well

In addition to the two (2) existing water wells there is to be a new monitoring well installed at the site near the waste disposal boundary. Drawing Number 77-111-MW2 provides the details of in-

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stallation for this well. The new well is designed to intercept flow in close proximity to the disposal area to determine whether any adverse groundwater effects have occurred.

Existing Well Construction

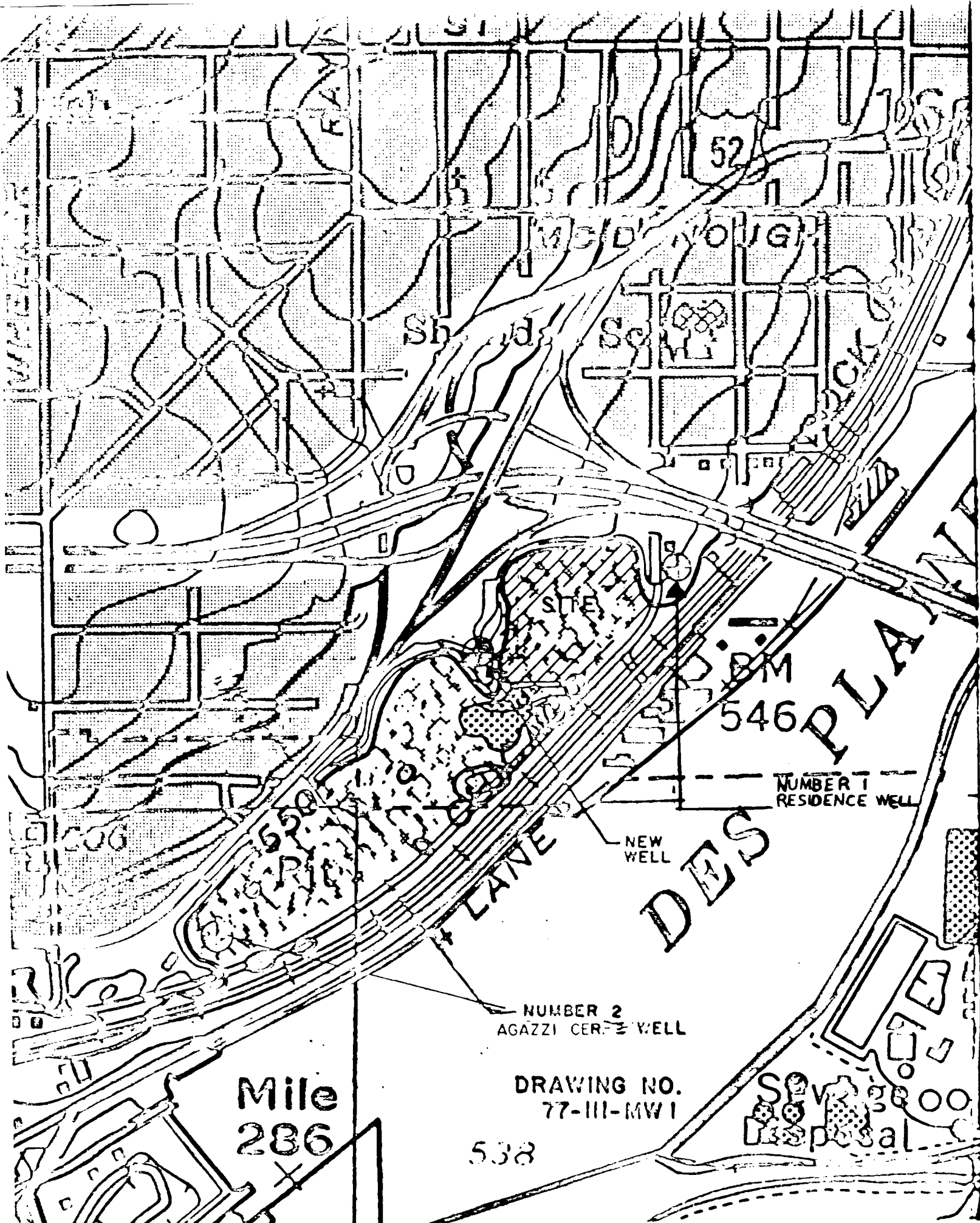
The construction details of the two existing wells cannot be readily determined from direct evidence. It is not feasible to take these wells out of service to dismantle portions in an effort to confirm construction details. However, based upon records of a number of other wells in the vicinity, it appears that these wells would be cased with 4" or 5" black or galvanized steel pipe.

The borehole may be open below the casing and the submersible pump may be set at a depth of 40' to 80'.

Monitoring Parameters

The parameters to be analyzed as a part of the monitoring program will be established by the IEPA. However, it is suggested that the following parameters be used for background analyses:

Ammonia, as N	Mercury (Hg)
Arsenic (As)	Nitrate-Nitrite as N
Barium (Ba)	pH
Boron (B)	Phenols
Cadmium (Cd)	ROE
COD	Selenium (Se)
Chloride (Cl)	Silver (Ag)
Chromium (Cr)(total)	Sodium (Na)
Copper (Cu)	Specific Conductance (SC)
Cyanide (CN)	Sulfate (SO ₄)
Fluoride (F)	Zinc (Zn)
Iron (Fe)	Total Organic Carbon (TOC)
Lead (Pb)	
Manganese (Mn)	



MONITOR WELL LOG

ELEVATION

PROJECT:

LOCKPORT TRUCKING CO

JOLIET, ILLINOIS

DATE:

WELL NO.

WATER ELEVATION

AT COMPLETION:

STICKUP

CONCRETE
CAP

BACKFILL

BENTONITE
SEAL

6" 10
Screen

Concrete
Sand

1' min.

FIELD ESTABLISH
THIS DIM. TO SET
SCREEN AT WATER
SURFACE.

2" I.D. PVC
PIPE

2' min.

10'

6"

DRILLED & INSTALLED BY:

DRAWING NO.
77 - III - MW2

ANDREWS ENVIRONMENTAL ENGINEERING INC